ACCESSION NR: AP5005447	T(1)/EEC(m)/FS(v)-3/EEC(k)-2/EWG(s)-2/EWG(v)/ A(h) Pn-4/Po-4/Pe-5/Pq-4/Pac-4/Pg-4/Pi-4/ 3 S/0293/65/003/001/0172/0174
AUTHOR: Goryunov, N. N.; Savin, B.	I.; Sosnovets, E. N. B
TITLE: Transistorized electrometri	c amplifier for measuring weak currents from
charged-particle detectors	gn
\mathcal{T} SOURCE: Kosmicheskiye issledovaniy	a, v. 3, no. 1, 1965, 172-174
TOPIC TAGS: transistorized amplifidetector, weak current measurement, Cosmos 15	er, electrometric amplifier, charged particle atmospheric radiation detection/ <u>Cosmos 12.</u>
described, in which the conversion	er for measuring weak currents (< 10 ⁻⁷ amp) is of dc into voltage pulses proportional in amplimeans of a capacitor and a relay. The device measured current and by virtue of its compact
size is a useful component in space the polarity of the measured curren tive-ion detectors. The circuit co	probes. Since it is virtually insensitive to t, it can be used with either electron or posintains four amplification stages and a nonlinear reases the gain by a factor of 10. For registerindividual amplifiers can be used. Three of

L 29971-65			7 27
ACCESSION NR: AP5005447		0	
of the electrostatic analystange of the circuit was 10 Threshold sensitivity of the roughly 8 x 10 ⁻¹⁵ amp; into	zers aboard Cosmos-12 and DOO; the maximum number on the first amplifier was 10 ensity was 6 x 106 1/E ₀ ;	n the charged-particle collected Cosmos-15. The total dynamic of pulses in a sequence was 40 mv. Threshold current was part/cm ² /sec/kev (where E ₀ is	
particle energy in key to a 2 figures.	which the analyzer is ad	juated). Orig. art. has: []	ow]
ASSOCIATION: none	istálos in recyl	sieri — neren iblika di e. AKlin — Misa	
SUBMITTED: 18Apr64	ENCL: 00	SUB CODE: DEC NA	
NO REF SOV: 000	OTHER: 000	ATD PRESS: 3196	
1 18 11 12 30 2 2 2 2 3 5 4 8 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3		cote XX	
· · · · · · · · · · · · · · · · · · ·		ti rija i j ašči 7	
고기 (1) 전 1 전 2 전 2 전 2 전 2 전 2 전 2 전 2 전 2 전 2			4.1

L 17777-66 EWT(1)/FSS-2/FCC/EWA(d)/EWA(h) TT/GW ACC NR: AF6006652 SOURCE CODE: UR/0203/66/006/001/0003/0010

AUTHOR: Vernov, S. N.; Driatskiy, V. M.; Kuznetsov, S. N.; Logachev, Yu. I.; 45
Sosnovets, E. N.; Stolpovskiy, V. G.

ORG: Moscow State University. Institute of Nuclear Physics (Moskovskiy gosudar- stvennyy universitet. Institut yadernoy fiziki)

TITLE: Behavior of the radiation belts and anomalous absorption of cosmic radio noise in the aurora borealis region during the magnetic storms of 12-14 February and 20-21 February 1964

SOURCE: Geomagnetizm i aeronomiya, v. 6, no. 1, 1966, 3-10

TOPIC TAGS: cosmic noise measurement, radio wave absorption, aurora, magnetic storm, radiation belt, magnetosphere

ABSTRACT: The authors make a direct comparison of electron fluxes with differing energies in the outer radiation belt during various stages of geomagnetic disturbances. The data used in this study were those transmitted by the Electron-1 and Electron-2 satellites during the magnetic storms of 12-14 and 20-21 February 1964

Card 1/4

UDC: 550.385.41:621.391.81

L 17777-66

ACC NR: AP6006652

These were relatively weak storms with an abrupt onset. The outer radiation belt behaved differently in each of these cases in spite of the fact that the storms were approximately identical with respect to the amplitude of the main phase. Po oscillations with a period of approximately 40 seconds were observed on the day of the first storm, indicating a quiet magnetosphere. During the first hour of the storm, an electron flux of Nv1.5x108 cm2/sec/kev was observed at a distance of approximately 10 Earth radii. This region lies far outside the radiation belts of the Earth, and the flux was apparently due to the storm. The magnetic field increased in this region during the first phase of the storm. Electron intensity decreased ed somewhat after the initial phase. Electron-1 data gave the boundary of the outer radiation belt on the night side as L = 6.5-7 before the abrupt onset of the storm, while the data of Electron-2 gave a value of L=7.4. Data from these satellites gave L=5.5—5.8 and L=5.9, respectively, after the initial phase of the This may be explained by compression of the magnetosphere. The period of Pc oscillations after the initial phase was approximately 20 sec. The period of the Pc oscillations was reduced to 16 sec when the boundary of the radiation bel shifted to L = 5. There was a faster increase in the flux of electrons with energies greater than 40 kev during the main phase of the storm than there was in the intensity of electrons with energies greater than 150 kev. The basic data for the

Card 2/4

L 17777-66 ACC NR: AP6006652

storm of 20-21 February were those transmitted by the Electron-1 satellite. These data show that the boundary of the outer radiation belt was at L = 6-6.5 before the storm. The period of Pc oscillations was approximately 50 sec. During the first phase of the storm, the boundary of the radiation belt was registered as L=5 and the period of Pc oscillations was 14 sec. An increase in the intensity of the magnetic field was observed at a distance of approximately 10 Earth radii. These data indicate compression of the magnetosphere. Low-energy electrons appeared at great distances from the Earth during the first phase of the storm. Data from 10 stations were used for studying the absorption of cosmic radio noise in the region of the aurora borealis. The first burst of auroral zone absorption was observed on the day side of the Earth during the first phase of the storm. This may be due to the fact that the boundary of the magnetosphere was approaching the Earth. amplitude of anomalous absorption increased from 1 db to 13.5 db when the boundary of the radiation belt moved from L = 5.6 to L = 9.6. Beyond this point, there was a reduction in auroral zone absorption. After the initial phase, no more such strong "bursts" of anomalous absorption were observed until the development of the main phase. Anomalous absorption was again observed during the main phase but this time with no clear relationship to L. An analysis of the data shows that electrons pour out of the radiation belts on the day side of the earth during the first phase

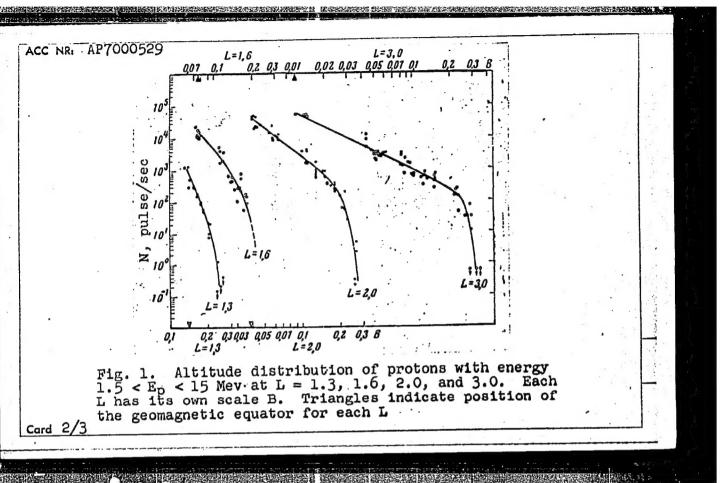
Card 3/4'

SUB CODE: 08/ SUBM DATE: 03Aug65/ ORIG REF: 005/ OTH REF: 004 ATD PRESS: 4209	L 17777-66 ACC NR: AP6006652 of a magnetic storm. This is incompared the maximum of a belt and at high first phase of a storm the mirror may move several hundred kilometer the auroral zone may be observed storm. However, in this case the tion belt region. A comparison of	her values of r points of e ers closer to between the ey are accomp	f L. Evaluations electrons in the o the Earth. Anom first and main ph panied by various aroral zone absorp	show that duri uter radiation alous absorpti ases of a magn effects in the tion and the h	ing the hold hold hold hold hold hold hold hold
	tion belt region. A comparison of radiation belts shows that and reduction in intensity in the belt crease in the number of particles absorption around the entire Earth	omalous absor It and someti s in the belt	rption is sometime imes by no changes . More data are	s accompanied at all or eveneeded on auro	by a en an in- oral zone

UR/0048/66/030/011/1820/1823 SOURCE CODE: AP7000529 ACC NRI Sosnovets, E. N. AUTHOR: 1 ORG: none TITLE: Recording low-energy protons on satellites of the Elektron series / Paper presented at the All-Union Conference on Physics of Cosmic Rays held in Moscow from 15 to 20 November 19657 SOURCE: AN SSSR. Izvestiya. Seriya fizicheskaya, v. 30, no. 11, 1966, 1820-1823 TOPIC TAGS: radiation measurement, proton, proton counter, instrumentation satellite, scintillation counter ABSTRACT: The launching of satellites of the Elektron series has made it possible to study low-energy protons over wide regions of space during the period approaching that of minimum solar activity. Each of the four satellites carried identical sets of instruments; results obtained in various parts of space at various times could therefore be The results presented here deal with protons with compared. $1 < E_D < 9$ Mey recorded by external scintillation and semiconductor counters. GI(T1) crystals ~0.15 and ~3 mm thick were used in the scintillation counters. The counter with a thin crystal recorded protons with $(1.5 \pm 0.2) < E_p < (10 \pm 2)$ Mev; the counter with the thicker crystal

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001652530003-6"

Card



[WA-75]

[JR]

AP7000529 ACC NR: recorded protons $(5 \pm 0.5) < E_p < (80 \pm 20)$ Mev and $(9 \pm 1) < E_p < (30 \pm 5)$ Mev. In both counters the crystal was shielded with an ~2 mg·cm⁻² Al foil within an angle of ~40°. In all other directions the crystals were shielded with an ~1.5-2 cm Pb foil. Protons with (1.0 +0.2) < Ep < < (5 +1) Mev were recorded by semiconductor counters with an ~2 mg cm-2Al shielding. Preliminary measurements were used to construct proton distribution in geomagnetic coordinates. Parameter L and magnetic field strength B were employed as such coordinates. Proton intensity vs. latitude for several fixed L's, and experimental points related to proton detectors carried by different satellites are shown in Fig. 1. Points at L=1.3, 1.6, and 2 were obtained by Elektron-3, and points at L=3 were obtained by Elektron-1 and Elektron-2. Orig. art. has:

OTH REF: 003 SUB CODE: 22,20,18/SUBM DATE: none/ ORIG REF: 005/

3 figures.

L 1551-66 EVT(1)/FCC/EVA(h) GW/GS ACCESSION NR: AT5023613 UR/0000/65/000/000/0420/0425 TITLE: Time variations of the earth's outer radiation belt SOURCE: Vsesoyuznaya konferentsiya po fizike kosmicheskogo prostranstva 1965. Issledovaniya kosmicheskogo prostranstva (Space research); trudy konferentsii. Moscow, Izd-vo Nauka, 1965, 420-425 TOPIC TAGS: cosmic ray, cosmic radiation, earth radiation belt, Elektron 1 Elektron 2 ABSTRACT: Data from Elektron-1 and -2 for the period 30 January to 23 February 1964 were used in a study of variations of the outer radiation belt on the night side of the earth. Particular attention was given to the intensity of counts in the maximum of the belt and to variations of the position and boundaries of the maximum. McIlwain coordinates, calculated in the dipole approximation, were used. Graphs of the variations in time of the Kp and K indexes (for the Colledge and Murmansk stations respectively), showed, in general, a decrease in the frequency of the Geiger counter during periods of increased magnetic activity, although occasionally the frequency increased with intense magnetic activity (e.g., on 6 February at Card 1/3

L 1551-66

ACCESSION NR: AT5023613

12:00 UT). The sudden onset of a magnetic storm can be accompanied by a drop in the count frequency, sometimes by as much as one order of magnitude. The nonmonotonic drop in count frequency during the storm of 12-13 February 1964 was explained by the decrease in magnetic disturbance after a sudden beginning and the main phase. After the initial drop, however, a twofold increase in the count frequency was generally observed during a 24-hr period (confirmed also during the storm of 31 January and 20 February 1964). The position of the radiation maximum changed little during magnetic disturbances. However, on 12—13 and 20 February, its L parameter decreased by = 3.8 to 4. The boundaries of the belt were affected by the magnetic field changes to a greater degree, and shifts to lesser L at higher as well as lower altitudes were in general agreement with Forbush, Pizzella, and Venkatesan (Geophys. Res., 67, N10, 1962, 3651). Contradictory observations were explained by irregular electron fluxes outside the belt's boundary. The shift of the boundary toward smaller L was attributed to an "outpouring" of electrons near the boundary not only during magnetic storms, as observed by Machlum and O'Brien (J. Geophys. Res., 68, N4, 1963, 997), but also under stationary conditions. The intake and output of electrons by the belt can occur within a period of 3 hours. The general conclusion is that the outer radiation belt is highly sensitive to magnetic conditions. The gap between the inner and outer belts appears to be the

Card 2/3

L 1551-66	:				
ACCESSION NR: AT502	23613			0	
area in the magnetos Data are presented t	phere in which to support this a	the trapped passumption.	articles behave Orig. art. has	in various fa 4 figures.	shions.
ASSOCIATION: none					
SUBMITTED: 02Sep65	Et	NCL: 00		SUB CODE: A	A, SV
NO REF SOV: 002	O	THER: 010		ATD PRESS: 4	094
2.8					
~**					
ard 3/3		Little Bar dish	动物直角 医乳腺素性病毒		

 $FSS-2/EW^{T}(1)/FS(v)-3/FCC/ENA(d)/EWA(h) T^{T}/GS/GW$ UR/0000/65/000/000/0425/0433 L 3281-66 ACCESSION NR: AT5023614 AUTHOR: Vernov, S. N.; Chudakov, A. Ye.; Vakulov, P. V.; Kuznetsov, S. N.; Logachev, Yu. I.; Sosnovets, E. N.; Stolpovskiy, V. G. TITLE: Irregular flows of high energy electrons close to the boundary of the earth's radiation belts SOURCE: Vsesoyuznaya konferentsiya po fizike kosmicheskogo prostranstva. Moscow. 1965. Issledovaniya kosmicheskogo prostranstva (Space research); Trudy konferentsii Moscow, Izd-vo Nauka, 1965, 425-433 TOPIC TAGS: geomagnetic field, satellite data analysis, radiation belt ABSTRACT: The authors analyze data obtained from "Elektron-1" and "Elektron-2" during their first month of operation. The equipment used on the satellites is briefly described. Analysis of data pertaining to the midnight meridian indicates that the intensity of the electrons at the boundary of the outer belt decreases by two or three orders of magnitude within a narrow range of radial distances. It is established that the radiation belt on the night side of the earth terminates on quiet days at L = 6.5-7.5: On the day side, the boundary of the belt extends on the Card 1/2

L 3281-66

ACCESSION NR: AT5023614

average to L=9-10. (Here L is the nominal McIlwain parameter calculated in the dipole approximation and expressed in earth radii.) It is found that irregular flows of electrons outside the boundary of the earth's radiation belts appear with an increase in perturbation of the geomagnetic field both at the surface of the earth and at distances of v30,000 km from the earth. A theoretical explanation is given for this phenomenon. The experimental data support the hypothesis of a closed system of lines of force in the earth's magnetic field up to latitudes of 75° . Orig. art. has: 9 figures and 1 table.

ASSOCIATION: none

SUBMITTED: 02Sep65

ENCL: 00

SUB CODE: ES, SV

NO REF SOV: ' 002

OTHER: 010

ATD PRESS: 4/05

Card 2/2

SOSNOVIK, G.I.

Symptomatology of thrombosis of the internal carotid artery.

Sov.med. 22 no.9:100-102 S 158 (HIRA 11:11)

1. Iz kliniki nervnykh bolezney (zav. - prof. R.A. Shakhnovich) Vitebskogo meditsinskogo instituta. (THROMBOSIS.

internal carotid artery, sympt. (Rus))
(ARTERIES, CAROTID, dis.
internal artery thrmbosis, sympt. (Rus))
(CEREBRAL EMBOLISM AND THROMBOSIS, case reports,
sympt. in anterior & middle cerebral artery
thrombosis (Rus))

SOSNOVIK, G.I.

Peculiar form of amnesic aphasia. Sov. med. 25 no.7:150-151 J1 '61.

(MIRA 15:2)

1. Iz kliniki nervnykh bolezney Vitebskogo meditsinskogo instituta
(zav. -- prof. R.A.Shakhnovich).

(APHASIA)

SOSNOVIK, G.I.

Changes in some electrophysiological indices in hypotonic states. Dokl. AN BSSR 8 no.8:550-552 Ag '64.

(MIRA 17:11)

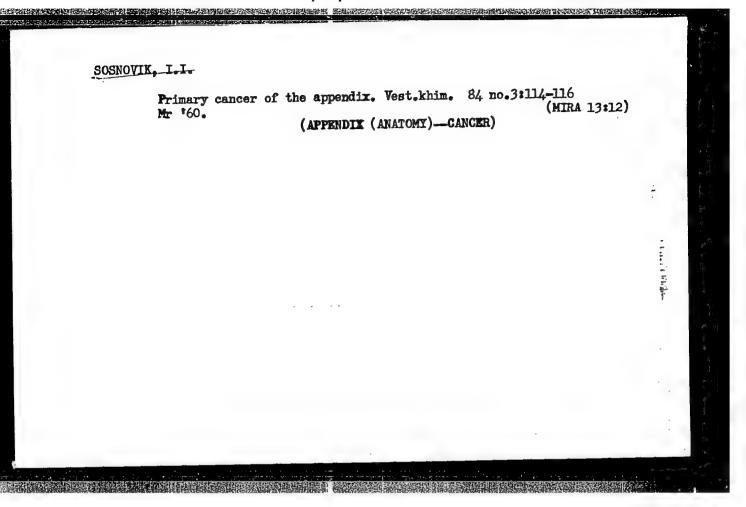
1. Bol'nitsa mediko-sanitarnoy chasti stroitel'nogo, tresta No.9, Vitebsk. Predstavleno akademikom AN BSSR D.A. Markovym.

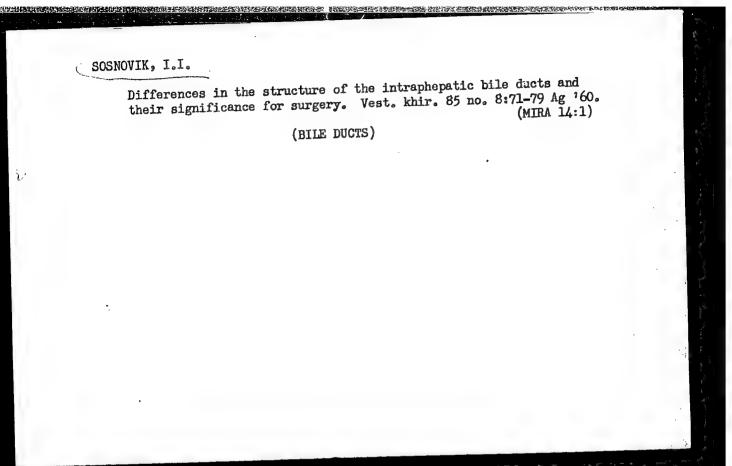
SOSNOVIK, I.I., kand.med.nauk (Leningrad, ul. Vosstaniya, d.19, kv.4)

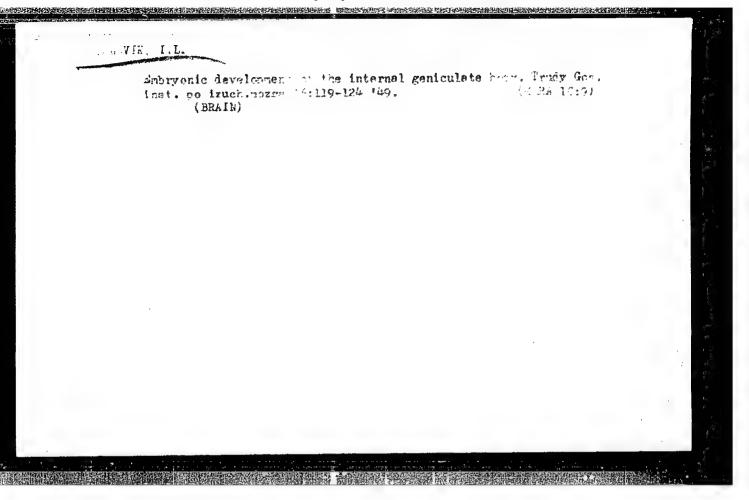
Possible limits of liver resection; experimental study. Vest.khir. 83 no.10:54-62 0 '59. (MIRA 13:2)

1. Iz kafedry operativnoy khirurgii (nachal'nik - prof. A.N. Maksimenkov) Voyenno-meditsinskoy ordena Lenina akademii im. S.M. Kirova. (LIVER surgery)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001652530003-6"







S-3

USSR/Morphology of Man and Animals - (Normal and Pathologic).

The Nervous System.

Abs Jour : Ref Zhur - Biol., No 3, 1958, 12383

of the cerebral cortex by means of gauze pads, these changes appeared earlier and were more severe.

Card 2/2

"APPROVED FOR RELEASE: 08/23/2000

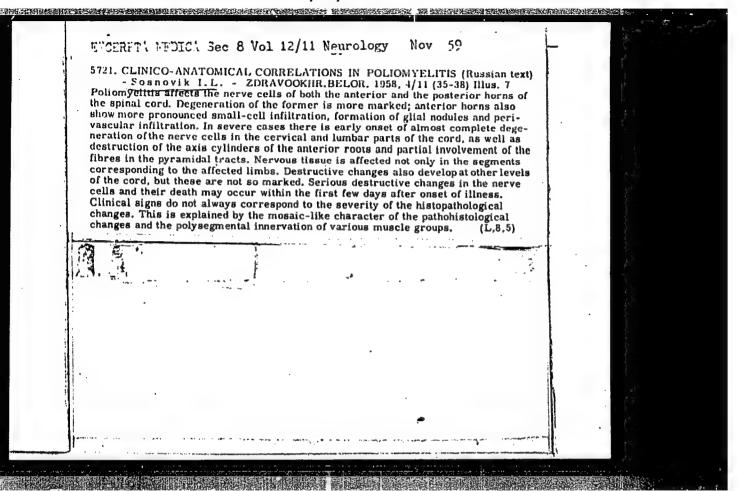
CIA-RDP86-00513R001652530003-6

SOSNOVIK, I.L.

Trophic ulcers and methods for their treatment. Zhur.nevr. i psikh.
Supplement:48-49 '57. (MIRA 11:1)

1. Kefedra nervnykh bolezney (prof. A.A.Kevork'yan [decensed])
Vitebskogo meditsinskogo instituta.

(ULCERS)



SOSNOVIK, I.L., dotsent

Clinical aspects of intracranial aneurysms. Zdrav.Belor. 5 no.9: 42-43 S 59. (MIRA 12:12)

1. Iz kliniki nervnykh bolezney Vitebskogo meditsinskogo instituta (zaveduyushchiy - prof. R.A. Shakhnovich).
(INTRACRANIAL ANEURYSMS)

SOSNOVIK, I.L., dotsent (Vitebsk)

Clinical picture and treatment of the immediate sequelae of poliomyelitis. Klin.med. 37 no.9:54-56 S'59. (MIRA 12:12)

1. Iz kliniki nervnykh bolezney (zav. - prof. R.A. Shakhnovich) Vitebskogo meditsinskogo instituta (dir. - I.I. Bogdanovich). (POLIOMYELITIS, complications) (AUTONOMIC NERVOUS SYSTEM, diseases)

SOSNOVIK, I.L., doktor meditsinskikh nauk

Clinical aspects of hypotension. Zdrav. Belor. 6 no.8:33-36 Ag '60. (MIRA 13:9)

1. Kafedra nervnykh bolezney Vitebskogo meditsinskogo instituta (zaveduyushchiy kafedroy - professor R.A. Shakhnovich).

(HYPOTENSION)

24人是自身的各种种种的主义的人就会被各种的思考的主义,然后他们的对于不是一个人,但是他们的一个人,但是他们的一个人,他们是他们的一个人,他们也不是一个人,他们

SOSNOVIK, I.L., doktor med.nauk

Clinical aspects and course of thrombosis of the internal carotid artery. Sov. med. 25 no.4:102-107 Ap ?62. (MIRA 15:6)

1. Iz kaftdry nervnykh bolezney (zav. - prof. R.A. Shakhnovich)
Vitebskogo gosudarstvennogo meditsinskogo instituta.

(THROMBOSIS)

(GAROTID ARTERY—DISEASES)

SOSNOVIK, I.L.

Clinical aspects and pathogenesis of serum sickness of the nervous system. Zdrav.Bel. 8 no.7:29-31 J1 '62. (MIRA 15:11)

1. Iz kafedry nervnykh bolezney Vitebskogo meditsinskogo instituta (zav. - doktor med.nauk I.L.Sosnovik). (ANTHRAL —PREVENTIVE INOCULATION)

(SERUM SICKNESS) (ANTHRAL —PREVENTIVE INOCULATION)

(NERVOUS SYSTEM—DISEASES)

SOSNOVIK, I.L., doktor med.nauk; KRAVTSOVA, N.M. (Vitebsk)

Clinical aspects and course of atypical forms of multiple sclerosis. Klin.hed. no.9:31-35 *62.

1. Iz kafedry nervnykh bolezney (sav. doktor med.nauk I.L. Sosnovik) Vitebskogo meditsinskogo instituta.

(MULTIPLE SCLEROSIS)

SOSNOVIK, I.L.

Symptomatic myoplegia. Zdrav. Bel. 9 no.8:81-82 Ag'63 (MIRA 17:3)

1. Iz kafedry nervnýkh bolezney Vitebskogo meditsinskogo instituta (zav. - doktor med. nauk I.L. Sosnovik).

SOSNOVIK, Z. I,

USSR/Medicine - Sysentery Medicine - Case Records Feb 1948

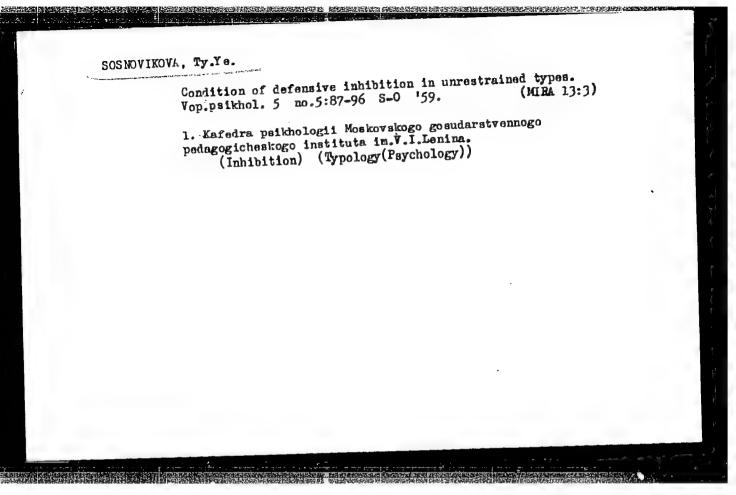
"Certain Features of the Clinical Progress of Acute Dysentery," V. V. Stavskaya, Z. I. Sosnovik, B. N. Popov, Deputy, Dysentery Sec, Preliminary Therapeutic Clinic, First Leningrad Med Inst imeni Academician Pavlov, 8 pp

"Klin Medits" Vol XXVI, No 2

Discuss type of dysentery observed during the blockade of Leningrad. State that there was slight indication of intoxication, negligible temperature reaction, absence of typical stools, and spasm. Also sharp drop in natural immunity of population of Leningrad. Based on data collected during period, 1943 - 1945 Director of Preliminary Therapeutic Clinic: Prof M. D. Tushinskiy, Active Tember, Academy of Medical Sciences, USSR.

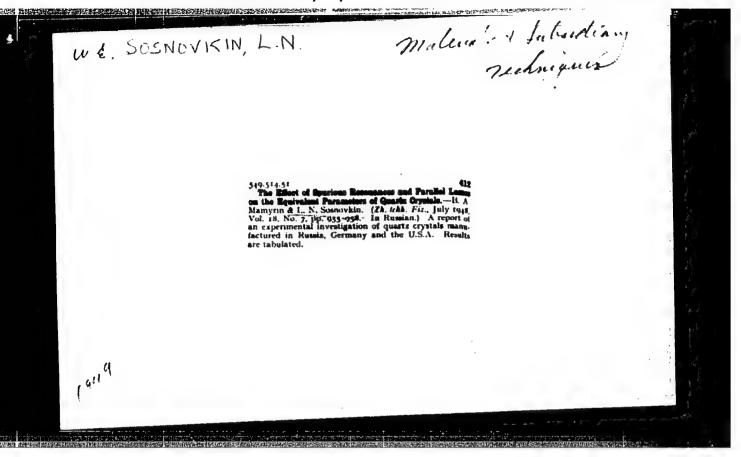
PA47T61

SOSNOVIK, 2. 1.		an and a section of	e Language I sell term han had a sel l field i Sell	esin en per	
		even greater effect. Further study of the physiological action of cytotoxic serums is necessary. Dir, Propaedeutic Therapeutics Climics Prof M. D. Tushinskiy, Active Mem, Acad Med Sci USER. Dir, Lab of Path Physioprof L. R. Perel'man.	Immized dogs with entigens obtained from cate, and wice versa. Serums obtained from the enteringert of the hypophysis lowered arterial pressure faster by about 20%. Suprerenal serums had an 65/497/2	"The Toxic Action of Hypophyseal an Secretions on Arterial Pressure," Z Propaedeutic Therapeutics Clinio, I Med Inst imeni Acad I. P. Pavlov, I Physiol, Pediatric Med Inst, 12 pp. "Frys Med" No 3	
		F. To:	emized dogs with entigens obtained from cate, dylos versa. Berums obtained from the enterint of the hypophysis lowered arterial pressure ister by about 20%. Suprarenal serums had an 65/497/2	Med)
		H Book to the state of the stat	yer the y at	He de la	
		Pare of Land	bypout	oction Arminal Market	
		greater effect. Further study of the cological action of cytotoxic serums is serry. Dir, Propaedeutic Therapeutics in Prof M. D. Tushinskiy, Active Mem, Med Sci USER. Dir, Lab of Path Physicls L. R. Pereliman.	BI 200	lo Action of Hypophyseal and Suprarents on Arterial Pressure, Z. I. Sommon tic Therapeutics Clinic, First Lenin imeni Acad I. P. Pavlov, Lab of Path Pediatric Med Inst, 12 pp	weelter
		on co	sta an	Med Hy	5 %
		Fur sede ashi ir,	Pres	popl Pres Pres Tas	
		Further study of the of cytotoxic serums is sedeutic Therapeutics ushinskiy, Active New hir, Lab of Path Physi	lgens obtained from cate, obtained from the enterior lowered arterial pressure uprarenal serums had an 65/497/2 ressure (Contd) Mar 49	hyseal a ssure, Clinio, Payloy, st, l' p	5
		or in the second	bten hed ar	F	
		udy see arap Acti Path	from teri	P 1	
		Ph.	Tel tra	Bupr of	
	3	the 18 10s Mem, yelo	me om o	Suprersed L. Somo et Lenin of Path	
	/h9T72		cm cate, le enterio pressure had am 65/49772	Suprarenal I. Somovik, rst Leningrad b of Path	• •
	72		N A	A	
	1				
		. ,		F 5 - 17 - 173	the state of the s



Psychological and pedagogical problems of labor productivity at a scientific conference of Polish psychologists. Vop. at a scientific conference of Polish psychologists. (MIRA 15:6) psikhol. 8 no.3:184-186 (Psychology, Industrial)

SOSNOVKIN, L.N.
Inst. Chem. Physics, Acad. Sci., Leningrad State Univl (1916)
"Kinetics of Crystallization in Diffusional Regions at Low Relative Supersaturations III."
Zhur. Fiz Khim., No.1, 1946.



IVANOV, Aleksandr Borisovich; SOSNOVKIN, Lev Nikolayevich; GROZNOVA, V.I., redaktor; KORUZEV, N.N., tekhnicheskiy redaktor

[Ultrahigh frequency pulse generators] Impul'snye peredatchiki SYGh.
Moskva, Izd-vo "Sovetskoe radio," 1956. 614 p. (MLRA 9:10)
(Oscillators, Electric)

L 111138-65 EWT(m)/EPF(c)/EPF(n)-2/EPR Pr-11/Ps-11/Pu-11

ACCESSION NR: AP4045663

P/0046/64/009/07-/0523/0537

AUTHOR: Buras, B.; Leciejewicz, J. (Letseyevich, Ya.); Sosnowksa, I. (Sosnovska, I.); Sosnowski, J. (Sosnovski, Ye.); Nitc, W. (Nitts, V.); Shapiro, r.

TITLE: The time-of-flight method for investigations of neutron crystal structure and its possibilities in connection with very high flux reactors

SOURCE: Nukleonika, v. 9, no. 7-8, 1964, 523-537

TOPIC TAGS: powdered crystal, neutron structure, time of flight method, powdered crystal structure, diffraction peak

ABSTRACT: A new method for investigating the neutron structure of powdered crystals using the time-of-flight technique is described. A pulsed neutron beam is scattered on a powdered crystal, and the intensity of the scattered neutrons is measured at a fixed angle 20 by means of neutron counters connected to a multichannel time analyser. As a result the dependence of intensity on neutron wave lengths is

Card 1/3

L 11/138-65 ACCESSION NR: AP4045663

THE COURSE AND CONTRACTOR OF THE CONTRACTOR OF T

The peaks are indexed in the usual manner, while the struc ture factors are determined using a formula for integrated intensity specially derived for this type of experiment. According to this formula the integrated intensity is proportional to the fourth power of the wavelength, thus distinguishing peaks of longer waves so that peaks corresponding to 4-5 A are also clearly visible. This is very suitable for studying crystals with large unit cells and for studies requiring a very high resolution. Additional advantages of this method are: no higher-order contaminations and an appreciable shortening of the exposure time as compared with the conventional method. The feasibility of this method was proved experimentally at the EWA reactor in Swierk (Poland) (using a chopper) and at the pulsed reactor IBR in the Joint Institute of Nuclear Research in Dubna, USSR, (with a very high flux in the pulse) using powdered samples of Pb. Al, Si, Zn, ZnO. Orig. art. has: 12 figures, 5 formulas, and 2 tables.

ASSOCIATION: none

Card 2/3

L 1hh38-65
ACCESSION NR: AP4045663

SUBMITTED: 00

SUB CODE: SS: NF NO REF SOV: 003 OTHER: 005

SOSNOVSKAYA A.S.

Suppurative peritonitis according to clinical data for a nine year period (1951-1959). Med. zhur. Uzb. no.11:69 N '61. (MIRA 15:2)

1. Iz kliniki obshchey khirurgii sanitarnogo i pediatricheskogo fakul'tetov (zav. - prof. S.M.Geller) Tashkentskogo gosudarstvennogo meditsinskogo instituta.

(PERITONITIS)

THE REAL PROPERTY OF THE PROPE

SOSNOVSKAYA, A.S., assistent

Treatment and prevention of minor injuries in cotton pickers. Med. zhur. Uzb. noll2:38 D '61. (MIRA 15:2)

1. Iz kliniki obshchey khirurgii sanitarnogo i pediatricheakogo fakul'tetov (zav. - prof. A.M.Geller) Tashkentskogo gosudarstvennogo meditsinskogo instituta.

(AGRICULTURAL WORKERS__DISEASES AND HYGIENE)

S/169/62/000/001/002/083 D228/D302

AUTHORS:

Grachev, Yu. N., Dekhnich, M. Ya., Litvinenko, I. B.,

Nekrasova, K. A. and Sosnovskaya, A. V.

TITLE:

Deep geophysical investigations in the territory of

the Baltic Shield

PERIODICAL:

Referativnyy zhurnal, Geofizika, no. 1, 1962, 7, abstract 1A50 (V sb. Geol. rezul*taty prikl. geokhimii i geofiz, Razdel 2, M., Gosgeoltekhizdat, 1960, 43-

50)

TEXT: The results of deep geophysical sounding work in the USSR's northern part are stated. The aim of the work was the detailed study of the inner structure of the crust in the Ukhta-Kem' area. The work was executed along a profile with a length of ~200 km by the method of continuous set-ups: The seismographs were placed every 100 m from each other within the general instrumental set-up and during its movement along the traverse. Explosions were made in three lakes which were situated at a distance of 50 - 80 km

Card 1/2

S/169/62/000/001/002/083 D228/D302

Deep geophysical investigations ...

from each other. Six branches of refracted seismic waves which are compared with six discontinuity surfaces of the inner crustal layers, were recorded. The boundaries -- at a depth of 10 - 15 and 34 - 38 km -- are most clearly and positively distinguished. The second boundary is the Mohorovicic surface. In the overlying layer the speed of the refracted seismic waves is 6.6 km/sec; in the underlying layer it is 8.1 km/sec. In the layer directly overlying the first boundary this velocity differs in different parts of the traverse and fluctuates within the limits of 5.4 - 6.3 km/sec. Other discontinuity surfaces and intermediate layers, characterized by speed values of 6.9 - 7.0 and 6.7 km/sec, are less clearly exposed. The layer boundaries lie almost horizontally, forming a small subterranean relief in separate parts of the profile. Geologic irregularities in the crust's upper parts were also successfully outlined in a horizontal direction along the working traverse, and a number of abyssal faults confined to the contact zones of different structural-facies geologic formations were successfully defined. / Abstractor's note: Complete translation. 7

Card 2/2

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001652530003-6"

S/169/62/000/007/005/149 D228/D307

AUTHORS:

Grachev, Yu.N., Dekhnich, M.Ya., Detenyshev, V.G., Litvinenko, I.V., Nekrasova, K.A. and Sosnovskaya,

A.V.

TITLE:

Deep regional geophysical investigations on the Baltic Shield's territory

PERIODICAL:

Referativnyy zhurnal, Geofizika, no. 7, 1962, 7, abstract 7A37. (V sb. Sostoyaniye i perspektivy razvitiya geofiz. metodov poiskov i razvedki polezn. iskopayemykh, M., Gostoptekhizdat, 1961, 45)

TEXT:

See RZhGeofiz, 1962, 1A50. [Abstracter's note:

Complete translation_

Card 1/1

GOVOR, V.M., inzh.; ISMAILOV, I.M., kand.tekhn.mauk; YARMUKHAMEDOV, U.Z., inzh.; SOSNOVSKAYA, B.Ya., inzh.; KRIVORUCHKO, V.N., inzh.

Cooling of cottonseed oil cake prior to storage. Masl.-zhir.prom. 29 no.2: 40-41 F 163. (MIRA 16:4)

1. Upravleniye pishchevoy promyshlennosti Soveta narodnogo khozyaystva Uzbekskoy SSR (for Govor). 2. Sredneaziatskiy filial Vsesoyuznogo nauchno-issledovatel skogo instituta zhirov (for Ismailov, Yarmukhamedov, Sosnovskaya). 3. Yangiyul skiy maslozhirovoy kombinat (for Krivoruchko).

(0il cake—Storage)

SOSNOVSKAYA, F.M. TUMANYAN, M.A., SOSNOVSKAYA, F.M.

Absorption of dysentery endotoxins in radiation sickness in rabbit [with summary in English]. Med.rad. 3 no.2:46-49 Mr-Ap'58 (MIRA 11:5)

1. Iz otdela meditsinskoy mikrobiologii (zav. -chlen-korrespondent AMN SSSR V.L. Troitskiy) Instituta epidemiologii i mikrobiologii imeni N.F. Gamalei AMN SSSR.

(ROENTGEN RAYS, inj.eff.

induction of radiation sickness in rabbits, eff. on absorp. of dysentery endotoxins (Rus))

(SHIGELLA DYSENTERIAL

endotoxins, intestinal absorp, in rabbit, eff. of x-ray-induced radiation sickness (Rus))

YATSIMIRSKAYA-KRONTOVSKAYA, M.K.; BOCHAROVA, T.V.; SOSNOVSKAYA, F.M.

Possibility of prolonged carriage of Rickettsia prowazekii. Report No.2: Effect of iomizing radiations on the excretion of Rickettsia prowazekii from the organism of animals after experimental typhys. Zhur.mikrobiol.,epid.i immun. 30 no.11:84-86 N 159. (MIRA 13:3)

1. Iz Instituta epidemiologii i mikrobiologii imeni Gamalei AMN SSSR.

(TYPHUS exper.)

(RADIATION EFFECTS exper.)

GALITSKIY, Boris Mikhaylovich; SEMIBRATOV, Vsevolod Nikolayevich; SMIRNOV, Boris Konstantinovich; RUSAKOV, A.N., retsenzent; SURYGINA, E., red.; SOSNOVSKAYA, G., red.; LEUSHCHENKO, N., tekhn. red.; YEREMINA, I., tekhn. red.

[Regulations for the performance of repair and construction work; norms and estimates] Pravila proizvodstva remontnostroitel'nykh rabot, normy i rastsenki. Izd.2., perer. i dop. Kiev, Gos.izd-vo lit-ry po stroit. i arkhit. USSR, 1963. 732 p. (MIRA 16:12) (Building-Repair and construction)

BULDEY, Vasiliy Romanovich, kand. tekhn. nauk; SOSNOVSKAYA, G.I., red.; ZEIENKOVA, Ye.Ye., tekhn. red.

[Porous concrete water intakes] Poristobetonnys vodozabory. Kiev, Gos.izd-vo lit-ry po stroit. i arkhit. USSR, 1961. 60 p.

(MIRA 14;11)

(Hydraulic engineering-Equipment and supplies)

GOL'TSMAN, Isaak Iosifovich; NARIZHNYY, Viktor Artemovich; SOSNOV-SKAYA, G., red.; NARINSKAYA, A., tekhn. red.

> [Manufacture of wood-chip panels] Izgotovlenie drevesnostruzhechnykh plit. Kiev, Gos. izd-vo lit-ry po stroit.i arkhit. USSR, 1961. 88 p. (MIRA 14:5) (Wood, Compressed)

GORSKIY, Vyacheslav Vyacheslavovich; SOSNOVSKAYA, G.I., red.; LEUSHCHENKO, N.L., tekhn. red.

[Design of reinforced concrete structures subject to torsional forces] Proektirovanie zhelezobetonnykh konstruktsii, podverzhennykh krucheniiu. Kiev, Gos.izd-vo lit-ry po stroit. i arkhit. USSR, 1961. 139 p. (MIRA 15:4) (Reinforced concrete construction)

KASPIN, Lev Abramovich; SMIRNOV, Boris Konstantinovich; GADASHEVICH,
Anna Mikhaylovna; PERNYATIN, Aleksandr Zinov'yevich; BASHMINSKIY,
S.V., retsenzent; COHERMAN, M.D., spets. red.; SOSNOVSKAYA, G.I.,
red.; BEREZOVSKIY, N.I., tekhn. red.

[Industrial norms, wage rates, and specifications for construction and assembly work; general construction operations] Proizvodstvennye normy, rastsenki i pravila na stroitel'no-montazhnye raboty; obshchestroitel'nye raboty. Izd.5., dop. i ispr. Kiev, Gosstroizdat USSR, 1961. 1025 p. (MIRA 15:7) (Building-Handbooks, manuals, etc.)

MIKOL'SKIY, Yuriy Nikolayevich; SOSNOVSKAYA, G.I., red.; LEUSHCHENKO, N.L., tekhn. red.

[Pneumatic conveying in the production of building materials]
Pneumaticheskii transport v proizvodstve stroitel'nykh materialov. Kiev, Gosstroiizdat, USSR, 1962. 102 p.
(MIRA 15:10)

(Pneumatic conveying)
(Building materials—Transportation)

LUYK, Igor' Al'fredovich; SOSNOVSKAYA, G.I., red.; ZEIENKOVA, Ye.Ye., tekhn. red.

[Basic principles of organizing the servicing and repair of construction equipment]Osnovnye printsipy organizatsii obsluzhivaniia i remonta stroitel nykh mashin. Kiev, Gosstroizdat, USSR, 1962. 127 p.

(MIRA 15:10)

(Construction equipment—Maintenance and repair)

KASPIN, Lev Abramovich; SMIRNOV, Boris Konstantinovich; GADASHEVICH, Anna Mikhaylovna; PERNYATIN, Aleksandr Zinov'yevich; BASHINSKIY, S.V., retsenzent; [deceased]; GOBERMAN, M.D., spets. red.; SOSNOVSKAYA, G.I., red.; BEREZOVSKIY, N.I., tekhn.red.

[Production norms, estimates, and regulations for construction and assembly operations; general construction operations]Proizvodstvennye normy rastsenki i pravila na stroitel'no montazhnye raboty; obshchestroitel'nye raboty. Izd.6., dop. i ispr. Kiev, Gosstroited USSR, 1962. 1025 p. (MIRA 15:10) (Construction industry)

KOVALEV, Nikolay Petrovich; SOSNOVSKAYA, G.I., red.; LEUSHCHENKO, N.L., tekhn. red.

[Field methods for testing soils in water] Folsvye metody ispytaniia gruntov v vodnoi srede. Kiev, Gosstroiisdat, USSR, 1963. 110 p. (MINA 16:5).

(Soils—Testing)

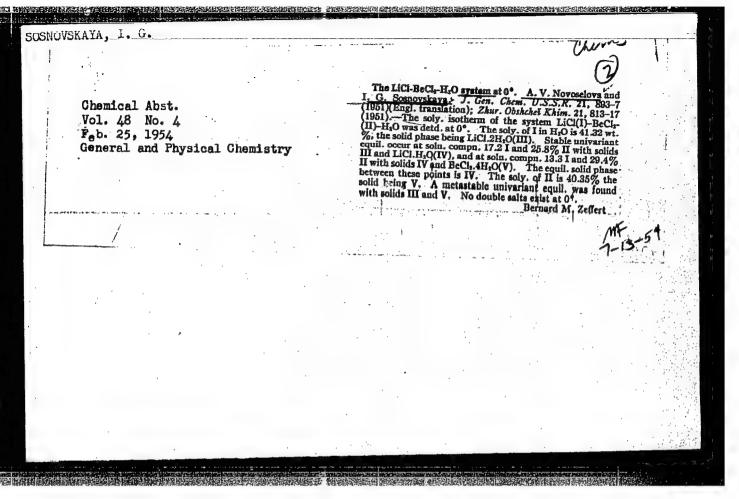
YUDIN, Vasiliy Kliment'yevich; SOSNOVSKAYA, G.I., red.; YEREMINA,
I.A., tekhn. red.

[Overground pipe laying] Nadzemnaia prokladka truboprovodov.
Kiev, Gosstroiizdat USSR, 1963. 117 p. (MIRA 16:7)

(Pipelines—Design and construction)

"APPROVED FOR RELEASE: 08/23/2000 CIA

CIA-RDP86-00513R001652530003-6



ACCESSION NR: AP4034915

s/0181/64/006/005/1369/1374

AUTHORS: Nitts, V. V.; Papulova, Z. G.; Sosnovskaya, I.; Sosnovskiy, Ye.

TITLE: Structure investigation by neutron diffraction on a fast pulse reactor

SOURCE: Fizika tverdogo tela, v. 6, no. 5, 1964, 1369-1374

TOPIC TAGS: neutron diffraction, crystal structure, fast pulse reactor, oxygen parameter, reactor IBR

ABSTRACT: The authors investigated the applicability of a fast pulse reactor IBR, as used at the Laboratoriya neytronnoy fiziki Ob"yedinennogo instituta yaderny*kh issledovaniy (Laboratory of Neutron Physics of the United Institute of Nuclear Studies) for structural studies of crystals. The average power of the instrument is 1 kv, and a beam of incident white light is employed. The energy spectrum of neutrons scattered at the incident angle was measured according to transit time. The technique gave high intensity and low background. Neutron diffraction spectra were obtained for powdered samples of Al, Zn, and ZnO. The results show that great precision may be obtained for structural analysis. By this method it was found that the oxygen parameter of ZnO is 0.374 (a refinement of the value previously

Card 1/2

ACCESSION NRs. APLO34915

taken, 0.375, the average of 0.360 and 0.390). In comparison with the standard powder method using a water-cooled, water-moderated reactor of 2000 kv, the fast pulse reactor shows considerable gain in time of measurement (because of the high intensity and low background). "The authors thank F. L. Shapiro for proposing the topic and for his useful discussions. They also thank B. Buras for scientific consultation and S. Naby*vants and V. V. Golikov for their aid in the work." Orig. art. has: 6 figures and 1 table.

ASSOCIATION: Obmyedinennvey institut yaderny*kh issledovaniy, Dubna (United Institute of Nuclear Research)

SUBMITTED: 18Nov63

EMCT: 00

SUB CODE: NP. OP

NO REF SOV: 002

OTHER: OOL

Card 2/2

LATSINIK, Ye.Ya., prof.; NOTKIN, D.L., kand.med.nauk; SLOVESNIK, R.S.; SOSNOVSKAYA, L.A.; BACHINSKIY, D.Kh.; SOTNICHENKO, L.A.; KAMINSKAYA, L.I. (Odessa)

Characteristics of the clinical course of Asian flu (A^2) in the 1959 epidemic. Klin.med. 38 no.3:59-63 Mr¹60. (MIRA 16:7)

1. Iz Odesskoy gorodskoy infektsionnoy bol'nitsy Leninskogo rayona (glavnyy vrach L.T.Zhidovlenko).

24(7)

SOV/48-23-9-12/57

AUTHORS:

Rusanov, A. K., Sosnovskaya, L. I.

TITLE:

The Rules of the Influence of "Third" Elements in the Spark

Analysis of Solutions

PERIODICAL:

Izvestiya Akademii nauk SSSR. Seriya fizicheskaya, 1959,

Vol 23, Nr 9, pp 1079-1081 (USSR)

ABSTRACT:

This article is the abridged rendering of a treatise published in the periodical Analiticheskaya Khimiya. The dependence of spectral line intensity on the properties of the solutions and the reciprocal influence brought to bear on elements is investigated. The solution was introduced into the discharge zone by means of rotating metal- or graphite disks, in which case, whenever graphite disks were used, the spark discharge took place between the two films of the solution, the thickness of which amounted to between 0.003 and 0.06 mm. In other experiments, graphite capillary electrodes were used by the aid of which the solution was conveyed into the discharge zone. In these experiments the IG-2 spark generator constructed according to the wiring scheme of Rayskiy was used. Line intensity was found to decrease with increasing film thickness. If. however, the film is not perforated by the spark, line intensity

Card 1/2

does not decrease even in the case of greater thicknesses.

SOV/48-23-9-12/57

The Rules of the Influence of "Third" Elements in the Spark Analysis of Solutions

When evaluating the concentration of elements according to the absolute values of spectral-line intensity, the electric conductivity of the solution, the thickness of the layer of liquid, and its restoration rate must be taken into account. The influence exercised by "third" elements upon the absolute and relative spectral-line intensities depends on the ionization potential and the concentration of atoms of the influencing elements. Thus, these "third" elements exercise a minimum influence in the case of discharges between non-perforated surfaces of solutions. In the case of spark discharges between two thick films of the solution, line intensity practically does not depend on the ionization potential and on the atom concentration of the "third" elements; line intensity increases rapidly if their ionization potential decreases and if their concentration increases. There are 2 figures.

Card 2/2

SOSNOVSKAYA, L. I., CAND TECH SCI, "ON THE LEGEBORE OF FOREIGN ELEMENTS IN A SPARK SPECTRAL ANALYSIS OF SOLUTIONS."

MOSCOW, 1960. (MIN OF GEOLOGY AND MINERAL CONSERVATION USSR.

ALL-UNION SCI RES INST OF RAW MINERALS "VIMS"). (KL, 2-61, 212).

-181-

BORISENKO, L.F.; SOSNOVSKAYA, L.I.

Zirconium and hafnium content in thortveitite. Izv. AN SSSR. Ser-geol. 26 no.8:101-103 Ag '61. (MIRA 14:9)

BORISENKO, L.F.; ZHURAVLEV, L.G.; SOSNOVSKAYA, L.I.

Reciprocal relation between the average concentration of scandium and some rock-forming elements in intrusive rocks. Dokl.AN SSSR 138 no.1:203-206 My-Je 61. (MIRA 14:4)

1. Institut mineralogii, geokhimii i kristallokhimii redkika elementov Akademii nauk SSSR. Predstavleno akademikom D.I. Shcherbakovym.

(Rocks, Igneous--Analysis) (Scandium)

ACCESSION NR: AT4042140

\$/2677/63/000/018/0186/0189

AUTHOR: Sosnovskaya, L. I.

TITLE: Spectral determination of impurities in galenites

SOURCE: AN SSSR. Institut mineralogii, geokhimii i kristallokhimii redkikh elementov. Trudyk, no. 18, 1963. Eksperimental no-metodicheskiye issledovaniya v oblasti mineralogii i geokhimii redkikh elementov (Experimental-methodical. studies in the field of mineralogy and geochemistry of rare elements), 186-189

TOPIC TAGS: galena, galenite, lead sulfide, quantitative analysis, geochemistry, galenite analysis, spectroscopy, spectral analysis, galenite impurity

ASSTRACT: The author describes the standard procedure for the determination of silver, bismuth, antimony, cadmium, thallium, and indium in galenites used at her Institute. The high silver content (0.01-1%) and very low thallium and indium content (0.0001-0.001%) require three separate procedures for silver (1), bismuth, antimony and cadmium (2), and thallium with indium (3), using a 1:10 dilution of galenite samples with pure lead sulfide for (1) and different sample weights and electrode sizes for each particular group. The spectra are photographed with an ISP-28 intermediate-dispersion three-lens-capacitor quartz spectrograph using a d.c. arc as the source of excitation. The method is rapid, sufficiently accurate

ACCESSION NR: AT4042140

and requires only small amounts of material. "The author expresses gratitude to K. F. Kuznetsov, S. I. Lebedeva and N. N. Popova for providing the material, and to N. V. Lizunov for valuable advice and directions." Orig. art. has: "I figure

ASSOCIATION: Institut mineralogii, geokhimii i kristallokhimii redkikh elementov AN SSSR (Institute of the Mineralogy, Geochemistry and Crystallochemistry of the

SUBMITTED: 00

ENCL: 00 .

SUB CODE: IC, ES

NO REF SOV: 000

OTHER: MD00

Card 2/2

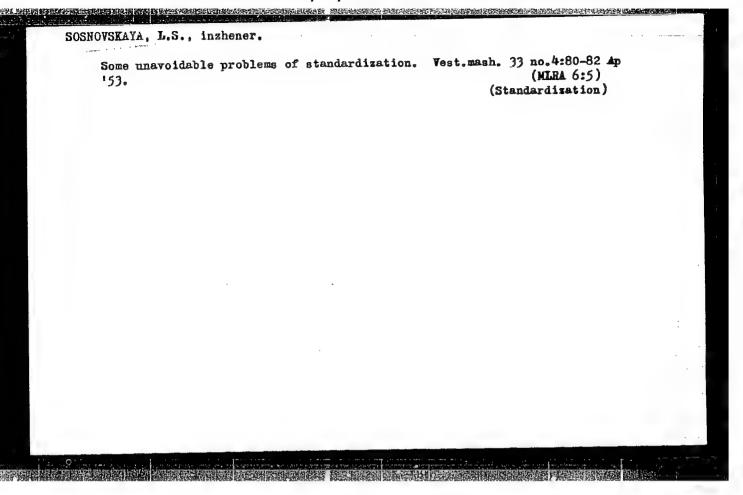
KHALE 20VA, Ye.B.; SOSNOVSKAYA, L.I.

ZrO2/HfO2 ratio in zircons from the alkali complex in the Vishnevyye and Il'men Mountains. Geokhimiia no.1:68-78 Ja '63. (MIRA 16:9)

1. Institute of Mineralogy, Geochemistry and Crystal Chemistry of Rare Elements, Academy of Sciences, U.S.S.R., Moscow.

(Vishnevyye Mountains—Zircon) (Il'men Mountains—Zircon)

(Mineralogical chemistry)



MEL'NIKOV, S.A.; GORBACHEVA, F.Ye.; SOSNOVSKAYA, L.S.

Some developmental characteristics of myopathies in children. Zhur. nevr. i psikh. 61 no.7:1024-1029 '61. (MIRA 15:6)

l. Detakoye otdeleniye kliniki nervnykh bolezney (zav. kafedroy - prof. V.V. Mikheyev) I Moskovskogo ordena Lenina meditsinskogo instituta imeni Sechenova.

(MUSCIES--DISEASES)

(MUSCULAR DYSTROPHY)

5 (2) AUTHORS: Yudelevich, I. G., Shelpakova, I. R., SOV/32-25-8-21/44

Sosnovskaya, T. I., Bortnik, L. S.

· 医医型性性结束性性的现在分词 医动脉体管 医阴道性 医内部性结节炎 化化物性溶解的 医原丛 不能可能是对自己的

TITLE:

Spectrographic Control of the Production Process of Rare Metals

PERIODICAL:

Zavodskaya laboratoriya, 1959, Vol 25, Nr 8, pp 959 - 961

(USSR)

ABSTRACT:

To control the extraction of rare elements from semi-finished products and wastes of the lead-zinc production, a spectrographic determination method has been developed for In, Tl, and Te in the semi-finished products, and for the determination of the impurities in metallic Tl, Te, and Se. The determinable concentrations are for powder 0.001 - 20% and for solutions 8 - 300 mg/l. For lower concentrations (0.001 - 0.5%) an arc PS-39 is used, at higher concentrations (0.01 - 0.5%) a spark IC-2. A "fulgurator" is used for the analysis of solutions (Ref 1). The article contains a description of the working conditions with the arc and with the spark. The simultaneous determination of In and Tl in lead dust and lead products was partly effected according to the method reference 2. The article contains the conditions of analysis for the final deterticle contains the conditions of analysis for the final deter-

Card 1/2

Spectrographic Control of the Production Process of SOV/32-25-8-21/44

THE RESERVE OF THE PROPERTY OF

mination (Table). N. T. Alontseva developed the method for the determination of Na and other impurities. It was effected according to reference 4 with a for Na relative accuracy of + 10%. The determination method for Se and Te was developed in collaboration with V. N. Vardugina and occurred under conditions differing from the above. A method for the determination of Fe, Te, and As in Se was also developed at which an arc PS-39 was used. There are 1 table and 4 Soviet references.

ASSOCIATION:

Vsesoyuznyy nauchno-issledovatel'skiy gorno-metallurgicheskiy institut tsvetnykh metallov (All-Union Scientific Mining-metal-lurgical Research Institute of Non-ferrous Metals)

Card 2/2

S/137/62/000/004/029/201 A006/A101

AUTHORS:

Yudelevich, I. G., Shokarev, M. M., Sosnovskaya, T. I., Stanevich,

V. V., Alontseva, N. T.

TITLE:

Spectrographic control of tellurium production

PERIODICAL:

Referativnyy zhurnal, Metallurgiya, no. 4, 1962, 28, abstract 46178 (V sb. "Nekotoryye vopr. emission. i molekulyarn. spektroskopii",

Krasnoyarsk, 1960, 126-133)

Detailed information is presented on methods of determining Te in semi-products of Pb-manufacture and admixtures in commercial Te. For products containing 0.01 - 0.05% Te, the arc method of exciting the spectra is recommended with admixture of 7% Bi(NO₃)₃. To determine high Te contents (up to 10%) spark excitation of spectra is used on a mixture of samples with Cu powder in a 1 : 3 ratio, after briquetting under a pressure of 3,000 kg/cm². To determine admixtures in Te, it is evaporated without a buffer from a carbon electrode crater of 5 mm depth and 4 mm in diameter. Graduation graphs are given. There are 5 references.

[Abstracter's note: Complete translation]

A. Tseydler

Card 1/1

S/137/62/000/004/197/201 A154/A101

AUTHORS: Yudelevich, I. G., Shelpakova, I. R., Polatbekov, F. A., Sosnovskaya,

T. I.

TITLE: Spectrographic determination of arsenic in semiproducts of rare

metal metallurgy

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 4, 1962, 11 - 12, abstract

4K70 ("Metallurg. i khim. prom-st' Kazakhstana. Nauchno-tekhn. sb.",

1961, no. 3 (13), 77 - 81)

TEXT: Spectrographic methods of determining As in powdered test samples and technological solutions are proposed. Small and medium contents of As (0.02 - 8%) in powders are determined simultaneously with Te by the arc method of exciting the spectrum; the test sample is introduced into the discharge out of a carbon electrode's crater. Charcoal powder containing comparison element Bi (5%) is used as a spectrographic buffer. Mean relative reproducibility error = 5 - 6%. Determination of high concentrations of As (5 - 15%) in In products is carriedout by the spark method of spectrum excitation. Test sample is briquetted to-

Card 1/2

Spectrographic determination of ...

S/137/62/000/004/197/201 A154/A101

gether with copper powder. Analytical pair of lines used for analyzing technological solutions is As 2,349.84 % - Cr 2,408.62 %. Cr is introduced in the form of % cr 207 aqueous solution. Bi can be used as the internal standard. Spectra of weak alkaline and sulfide solutions are excited in the arc of a 3 - 4 amp. alternating current. Electric current used in the analyses of strong alkaline solutions with a low concentration of As must be 9 - 10 amp. Changes in the content of Pb, Sb, Sn and Zn have no effect on the results of determining As. Average relative error in the analyses of solutions containing As in an amount of 0.5 - 40 g/l is ± 5 - %.

L. Vorob'yeva

[Abstracter's note: Complete translation]

Card 2/2

YUDELEVICH, I.G.; SHELPAKOVA, I.R.; Prinimali uchastiye: SOSNOVSKAYA, T.I.;
AVSEYKO, Ye.M.; KHAMIDULINA, F.K.

Spectrographic determination of indium, thallium, and tellurium in solutions during their recovery from by-products of the lead-zinc industry. Zhur.anal.khim. 17 no.2:174-179 Mr-Ap '62. (MIRA 15:4)

1. All-Union Scientific Research Institute of Non-Ferrous Metals, Ust-Kamenogorsk.
(Indium--Spectra) (Thallium--Spectra) (Tellurium--Spectra)

A	L 34882-66 EWT(m)/EWP(t)/ETI IJP(c) RDW/JD/GD CC NR. AT6013544 (A) SOURCE CODE: UR/0000/65/000/000/0111/0114
AU La	CHOR: Yudelevich, I. G.; Shelpakova, I. R.; Avseyko, Ye. M.; Minskaya, L. N.; Chalkova, N. Ya.; Sosnovskaya, T. I.; Zaks, I. V.; Khamidulina, F. K.
	: None
TI:	LE: Spectrographic determination of trace elements in the raw materials and ermediate products of the rare me als industry
SOU	RCE: Ural'skoye soveshchaniye po spektroskopii. 4th, Sverdlovsk, 1963. Materialy.
TOI tel	IC TAGS: spectrum determination, zinc, lead, indium, thallium, germanium, selenium, lurium, spectrographic analysis
ind int 0.0 ana tra	TRACT: A number of new methods are described for determination of indium, thallium, manium, welenium and tellurium in intermediate products of the lead and zinc ustry. Germanium is spectrographically determined by injection of powder specimens of an a-c arc discharge. The spectroscopic buffer for determination of more than 01% Ge is carbon powder containing 5% Bi(NO ₃) ₃ as an internal standard. The lytical line pair is Ge 269.13 mµ-Bi 280.96 mµ. For determining higher concentions of germanium (above 0.1%), use is made of the Ge 258.91 mµ-Bi 280.96 mµ or 274.04 mµ-Bi 280.96 mµ line. A buffer consisting of a mixture of quartz and sulfur
Ca	rd 1/2

L 34882-66

ACC NR: AT6013544

2

was used for determining traces of germanium of the order of 1 part in 100,000 in slags and mattes. The sensitivity of germanium determination with respect to the Ge 303.90 mu line is 10-4% in this case with a relative error of about 15%. Commercial solutions are analyzed by electrode saturation. The relative mean square error is 9% with this method. Indium, thallium, gallium, and germanium are simultaneously determined by pouring the solutions to be analyzed into a socket in a special copper electrode and then drying the electrode so that the solution adheres to the surface. The advantage of this method over the saturation of carbon electrodes lies in the possibility of using the sensitive long-wave lines located in the region of cyanogen bands: In 410.18 mu, Ga 417.2 mu and Tl 377.57 mu. This method gives a relative error of 9%. Methods are discussed for determination of rare elements in sinc and lead ores with a sensitivity of at least 10-4% using spectrographic analysis with a buffer solution of sodium fluoride. Orig. art. has: 1 figure.

SUB CODE://, 20/ SUBM DATE: 06Jul65/ ORIG REF: 005/ OTH REF: 000

Card 2/2

YUDELEVICH, I.G.; VERSHININA, F.I.; SOSNOVSKAYA, T.I.

Spectrographic determination of arsenic, antimony, and tin in raw materials and intermediate products of the lead industry. Sbor.trud. VNIITSVETMET no.9:181-185 165.

(MIRA 18:11)

GLIKMAN, T.S.; KALIBABCHUK, V.A.; SOSNOVSKAYA, V.P.

Effect of the admixtures of iron salts on the processes if photolysis and radiolysis of hydroxy acids. Zhur. cb. khim. 35 no.9:1530-1534 S '65. (MIRA 18:10)

1. Institut fizicheskoy khimii imeni L.V. Pisarzhevskogo AN UkrSSR.

SCOMEVOR. And Ye. A.

"A Study of the Licroflora of Sheep Rumen in Connection With Various Feeding Schedules." Cand Biol Sci, Loscow Agricultural Acad imeni K. A. Timiryazev, Moscow, 1953. (RZhBiol, No 7, Dec 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (12) SO: Sum. No. 556, 24 Jun 55

SOSNOVSKAYA, Ye.A., kand.biolog.unuk, starshiy prepodovatel'

Rumen microflora of sheep kept on different food rations.
Zhivotnovodstvo 21 no.7:61-63 Je '59. (MIHA 12:9)

1. Orenhurgskiy sel'skekhozyaystvennyy institut.
(Stomach-Bacteriology) (Sheep-Feeding and feeds)

FETROVA, M.V.; SOSNOVSKATA, Teavue; AKHMEDOV, K.S.

Interaction between the K-4 polyelentrolyte and Keles bentenite suspensions. Nauch. trudy Tash 3U no.257. Knim.nauki no.12:89-93
164. (MIRA 18:8)

USSR/Medicine - Physiology

FD-2467

Card 1/2

Pub 33-18/24

Author

Sosnovskaya, Z. A.

Title

Effect of anode and cathode stimulation of the brain on spinal re-

flexes and Sechenov inhibition

Periodical: Fiziol. zhur. 2, 279-284, Mar-Apr 1955

Abstract

: Cathode stimulation (200-300 microampere) of the midbrain in frogs (with the indifferent electrode placed on the abdomen) lengthens the latent period of spinal reflexes (skin-acid reflex), and this effect is maintained for several minutes after interruption of the stimulation. Anode stimulation of the same strength shortens somewhat to latent periods, but not in all experiments, while stronger anode stimulation (400-500 microamp.) lengthens the latent period, similar to the effect of cathode stimulation, but less pronounced. Direct cathode stimulation of the spinal cord (250-350 microampere) lengthens the latent period slightly while anode stimulation produces

Card 2/2

FD-2467

either no effect or a slight shortening. Anode stimulation of the spinal chord weakens the Sechenov inhibition of spinal reflexes, produced by placing a NaCl crystal on the midbrain. Six referenences, all USSR (3 since 1940).

Institution: Laboratory of General Nerve-Muscle Physiology of the Institute of Physiology imeni I. P. Pavlov of the Academy of Sciences USSR.

Leningrad

Submitted : April 18, 1952

CIA-RDP86-00513R001652530003-6" APPROVED FOR RELEASE: 08/23/2000

VASIL'YEV, L.L.; SOSNOVSKAYA, Z.A.

Effect of Sechenov inhibition of spinal centers on threshold parabiosis of the peripheral nerve. Trudy Inst. fiziol. 6:10-17 '57.

(MIRA 11:4)

1. Laboratoriya obshchey nervno-myshechnoy fiziologii (zaveduyushchuy L.L. Vasil'yev).

(EXTREMITIES (ANATOMY) -- INNERVATION)

VASIL'YEV, L.L.; SOSNOVSKAYA, Z.A.

Role of factors affecting the central nervous system in the course of a parabiotic process in the heart. Trudy Inst. fiziol. 6:18-23 '57.

(MIRA 11:4)

1. Laboratoriya obshchey nervno-myshechnoy fiziologii (zaveduyushchiy L.L. Vasil'yev).

(BRAIN) (HEART)

SOSMOVSKAYA, Z.A.

Effect of Sechenov Inhibition on the accommodation of the sciatic nerve. Trudy Inst. fiziol. 6:109-118 '57. (MIRA 11:4)

1. Laboratoriya obshchey nervno-myshechnoy fiziologii (zaveduyushchiy L.L. Vasil'yev).
(SCIATIC NERVE)

APPROVED FOR RELEASE: 08/23/2000 CIA-RDP86-00513R001652530003-6"

并用的数据据设施的现在分词用度证明用的证据的数据或证明的对象的数据的现在分词的证据,是对理论的证据,是可以通过的证据的证据的证据的证据的证据的证据的证据的证据的

VASIL'YEV, L.L.; SOSNOVSKAYA, Z.A.

Parabiotic and "deparabiotic" influences of the central nervous system on the heart. Vest.LGU 14 no.21:116-121 159.

(MIRA 12:10)

(HEART)

(BRAIN)

(PARABIOSIS)

VASIL'YEV, L.L.; SOSNOVSKAYA, Z.A.

Effect of stimulating impulses on inhibition foci in the spinal cord. Trudy Inst. fiziol. 10:284-293 '62 (MIRA 17:3)

l. Laboratoriya obshchey nervno-myshechmoy fiziologii (zav.-L.L.Vasil yev) Instituta fiziologii imeni Pavlova AN SSSR.

SOSNOVSKAYA, Z. I.

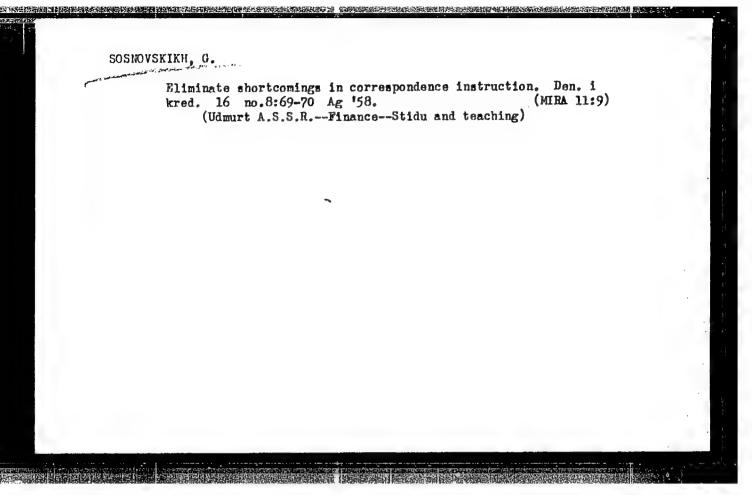
Sosnovskayam z. i. "Osteomyelitis originating grom bullrt wounds in post-war times," Trudy Gospit. khirurg. kliniki (Sverdl. gos. med. in-t(, vol. IV, 1948, p. 395-404

SO: U-3850, 16 June 53, (Letopis 'Zhurnal 'nykh Statey, No. 5, 1949)

SOKOLOV, V.A., inzh.; LEVINA, G.G., inzh.; Prinimali uchastiye: DUKHIN, I.S.; KOLOV, M.I.; SOSNOVSKAYA, Z.N.

Increasing the durability of steel rolls for strip mills. Stal' 22 no.9:821-823 S '62. (MIRA 15:11)

 Magnitogorskiy metallurgicheskiy kombinat. (Rolls (Iron mills)) (Steel--Heat treatment)

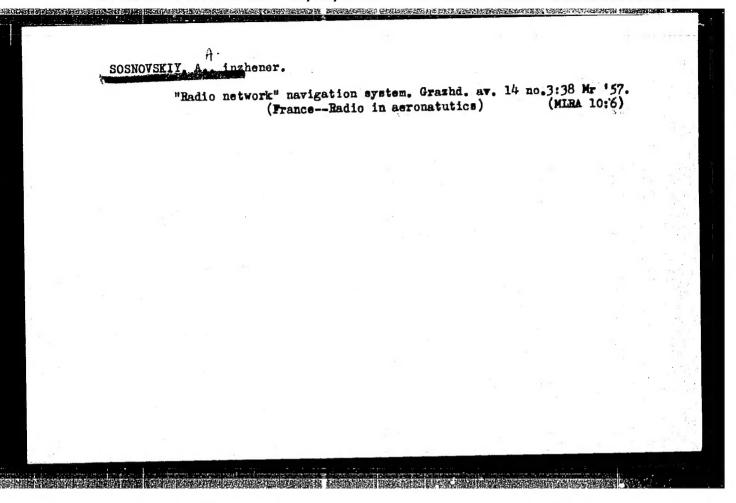


SOSNOVSKIY, Andrey Anan'yevich; POLONIK, Pavel Arten'yevich, inzhener.

KHOKHLOV, Viktor Dmit'riyevich, inzhener; SHTEYNBOK, G.Yu., inzhener,
nauchchiy redaktor; BRYANTSEVA, V.P., inzhener, vedushchiy redaktor;
VUL'MAN, G.L., inzhener, redaktor; POHOMOREV, V.A., tekhnicheskiy redaktor.

[Instrument for recording positions of transmitting synchros and potentiometric transmitters] Pribor dlia zapisi polozhenia sel'sinnykh i potentsiometricheskikh datchikov. Pribory dlia obnarusiennykh i izmereriia elektro-staticheskikh zariadov na tekstil'nykh zheniia zhenii

l. Moscow. Vsesoyuznyy institut nauchnoy i tekhnicheskoy informatsii.
Filial.
(Recording instruments) (Textile fabrics--Electric properties)



MIROSHNIKOV, I.F.; LYUSTIBERG, V.F., inzh., ved. red.; SOSNOVSKIY, A.A., inzh., red.; SOROKINA, T.M., tekhn. red.

[Reading device using transistors and photodiodes]Chitaiushchee ustroistvo na fotodiodakh i kristallicheskikh triodakh. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 45 p. (Peredovoi nauchno-tekhnicheskii i proizvodstvennyi opyt. Tema 40.

No. P-5820/1)

(Electronic computers--Input-output equipment)

LIVSHITS, Emmanuil Markovich; TSAR'KOV, Arkadiy Grigor'yevich;
MORDVINOVA, N.P., inzh., ved. red.; SOSNOVSKIY, A.A., inzh.,
red.; SOROKINA, T.M., tekhn. red.

[Universal stereophotogrammetric unit]Universal naia stereofotogrammetricheskaia ustanovka. Moskva, Filial Vses. in-ta nauchn. i tekhn. informatsii, 1958. 14 p. (Peredevoi nauchnotekhnicheskii i proizvodstvennyi opyt. Tema 37. No. P-58-19/2) (MIRA 16:3)

(Photogrammetry-Equipment and supplies)